

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839170

Luminaire Tested: **LD4C08D010 EU4089040 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C08D010 EU4089040 4LBPSMW
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

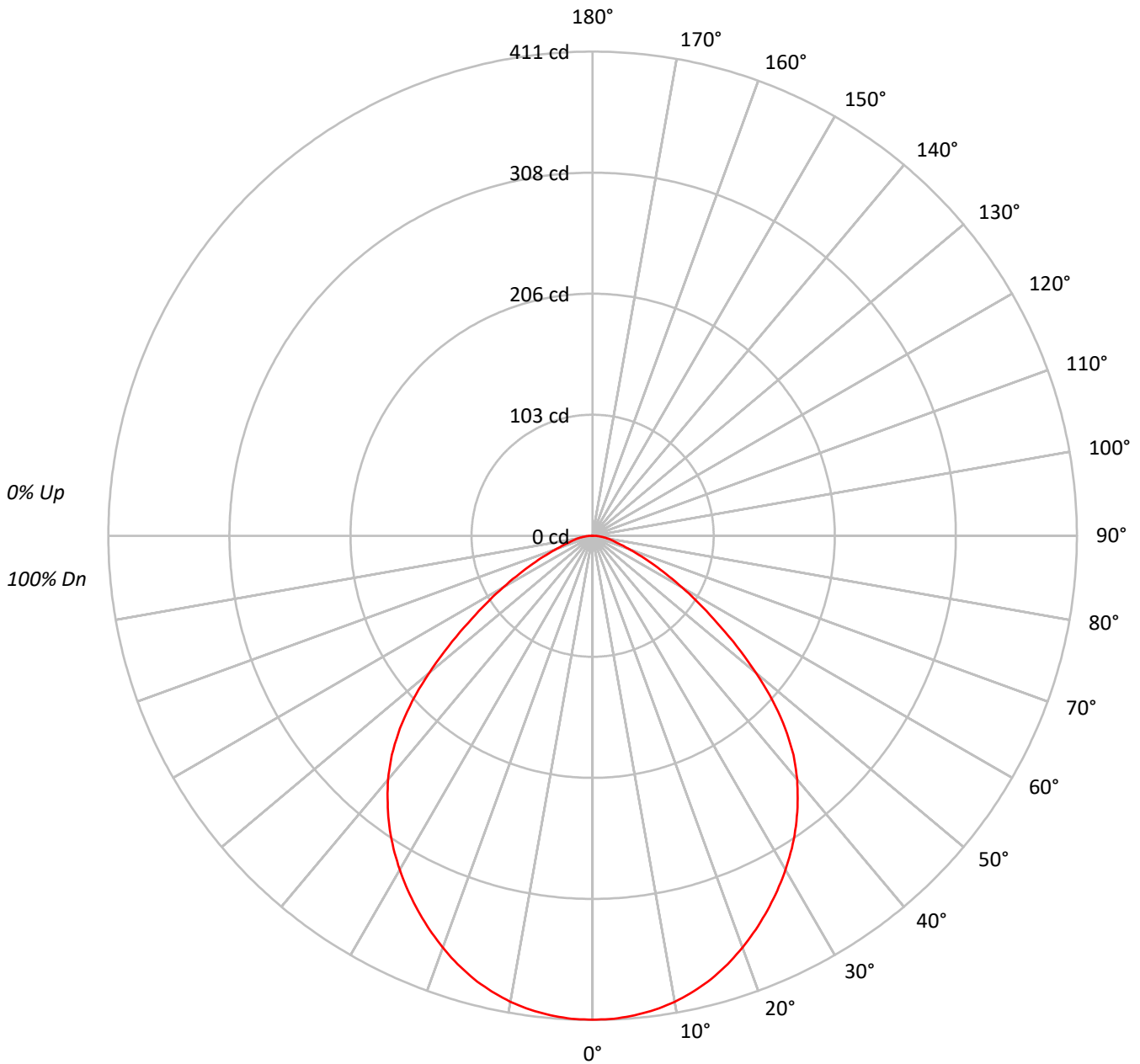
Lumens per Lamp: N/A
Luminaire Lumens: 876.0 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P839170

CATALOG NUMBER: LD4C08D010 EU4089040 4LBPSMW

Luminous Intensity Polar Plot





TEST NUMBER: P839170

CATALOG NUMBER: LD4C08D010 EU4089040 4LBPSMW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10		0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50468
5°	50390
10°	50112
15°	49539
20°	48635
25°	47579
30°	46445
35°	45128
40°	43317
45°	40169
50°	34613
55°	27609
60°	21499
65°	16075
70°	11674
75°	9256
80°	8702
85°	8598



TEST NUMBER: P839170

CATALOG NUMBER: LD4C08D010 EU4089040 4LBPSMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	4.4
10°-20°	109.7	12.5
20°-30°	161.6	18.5
30°-40°	187.8	21.4
40°-50°	176.5	20.1
50°-60°	116.8	13.3
60°-70°	56.3	6.4
70°-80°	21.7	2.5
80°-90°	6.8	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	310.1	35.4
0°-40°	497.9	56.8
0°-60°	791.2	90.3
0°-90°	876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	411	
5°	409	39
15°	390	110
25°	351	162
35°	301	188
45°	231	177
55°	129	117
65°	55	56
75°	20	22
85°	6	7
90°	0	



TEST NUMBER: P839170

CATALOG NUMBER: LD4C08D010 EU4089040 4LBPSMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	410.8
2.5°	410.5
5°	408.6
7.5°	405.8
10°	401.7
12.5°	396.2
15°	389.5
17.5°	381.3
20°	372.0
22.5°	361.8
25°	351.0
27.5°	339.5
30°	327.4
32.5°	314.6
35°	300.9
37.5°	285.8
40°	270.1
42.5°	252.2
45°	231.2
47.5°	207.5
50°	181.1
52.5°	154.3
55°	128.9
57.5°	107.0
60°	87.5
62.5°	70.0
65°	55.3
67.5°	42.9
70°	32.5
72.5°	24.7
75°	19.5
77.5°	15.8
80°	12.3
82.5°	9.1
85°	6.1
87.5°	3.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)